



## LEINCO TECHNOLOGIES

**Welcome to Leinco Technologies.** We are a global biosciences company dedicated to providing leading edge products and services that improve the quality of life for everyone. Leinco Technologies develops, manufactures and markets biotechnical products and services for immunology, cell biology, neuroscience and molecular biology research.

### LEINCO TECHNOLOGIES

359 Consort Drive  
St. Louis, Missouri 63011  
Phone: 314-230-9477  
Fax: 314-527-5545  
Email: [leinco@leinco.com](mailto:leinco@leinco.com)

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## Anti-Human CD57/HNK-1 (Natural Killer Cells)-Biotin Conjugate

**Prod. No.:** C288

**Lot No.:**

**Clone:** VC1.1

**Isotype:** Ms IgM

**Conc.:** 0.1 mg/ml

**Pkg. Size:** 0.2 mg 5th Workshop: Code No. NK67

### Description

**Specificity:** Anti-CD57 recognizes a (Mr 110 kD) carbohydrate molecule on myeloid cells. This surface antigen is associated with myelin-associated glycoprotein (MAG).<sup>1</sup> This antibody blocks binding of HNK-1 (Leu. 7) antibody.<sup>3</sup>  
**Antigen Distribution:** The CD57 antigen is present on 15-20% of normal peripheral blood mononuclear cells. It is expressed on a subset of natural killer cells (60%) and on a subset of T-lymphocytes. This carbohydrate is also present on N-CAM in the nervous system.

### Appearance

Anti-Human CD57/HNK-1-Biotin is affinity purified and supplied in 0.01M phosphate buffered saline (PBS) pH 7.2, containing 1.0% BSA and 0.1% sodium azide as a preservative.

### Working Dilution

Leinco Technologies recommends using one microgram to stain  $1.0 \times 10^6$  cells in flow cytometric applications. Depending on the particular application, some variance can be expected. Each investigator should determine their own working dilution for individual use.

### Storage and Stability

Short-term storage at 2-8° C. Do not freeze.

### Applications

Anti-CD57 may be used in flow cytometry, Western blotting and immunohistology on formalin fixed paraffin embedded tissue sections. The antibody is useful for enumeration of NK subsets and T-lymphocyte subsets, studies of neural tissue, malignant tissues and AIDS-related complex.

### Reference

1. Arimatsu, Y. *et al.* (1987) *J. Neuroscience* 7:1250
2. Barnstable, C. *et al.* (1995) *Brain Research* 559:118
3. Abo, T., and Balch, C.M. *et al.* (1981) *J. Immunol.* 127:1024



## Anti-Human CD57/HNK-1 (Natural Killer Cells) -Fluorescein Conjugate

Prod. No.: C289

Lot No.:

Clone: VC1.1

Isotype: Ms IgM

Conc.: 0.1 mg/ml

Pkg. Size: 0.2 mg 5th Workshop: Code No. NK67

### Description

Specificity: Anti-CD57 recognizes a (Mr 110 kD) carbohydrate molecule on myeloid cells. This surface antigen is associated with myelin-associated glycoprotein (MAG).<sup>1</sup> This antibody blocks binding of HNK-1 (Leu. 7) antibody.<sup>3</sup>  
Antigen Distribution: The CD57 antigen is present on 15-20% of normal peripheral blood mononuclear cells. It is expressed on a subset of natural killer cells (60%) and on a subset of T-lymphocytes. This carbohydrate is also present on N-CAM in the nervous system.

### Appearance

Anti-Human CD57/HNK-1-Fluorescein is affinity purified and supplied in 0.01M phosphate buffered saline (PBS) pH 7.2, containing 1.0% BSA and 0.1% sodium azide as a preservative.

### Working Dilution

Leinco Technologies recommends using one microgram to stain  $1.0 \times 10^6$  cells in flow cytometric applications. Depending on the particular application, some variance can be expected. Each investigator should determine their own working dilution for individual use.

### Storage and Stability

Short-term storage at 2-8° C. Do not freeze.

### Applications

Anti-CD57 may be used in flow cytometry, Western blotting and immunohistology on formalin fixed paraffin embedded tissue sections. The antibody is useful for enumeration of NK subsets and T-lymphocyte subsets, studies of neural tissue, malignant tissues and AIDS-related complex.

### Reference

1. Arimatsu, Y. *et al.* (1987) *J. Neuroscience* 7:1250
2. Barnstable, C. *et al.* (1995) *Brain Research* 559:118
3. Abo, T., and Balch, C.M. *et al.* (1981) *J. Immunol.* 127:1024



## Anti-Human CD57/HNK-1 (Natural Killer Cells) -R-phycoerythrin Conjugate

Prod. No.: C290  
Lot No.: 048L230  
Clone: VC1.1  
Isotype: Ms IgM  
Conc.: 0.1 mg/ml  
Pkg. Size: 0.2 mg 5th Workshop: Code No. NK67

### Description

Specificity: Anti-CD57 recognizes a (Mr 110 kD) carbohydrate molecule on myeloid cells. This surface antigen is associated with myelin-associated glycoprotein (MAG).<sup>1</sup> This antibody blocks binding of HNK-1 (Leu. 7) antibody.<sup>3</sup>  
Antigen Distribution: The CD57 antigen is present on 15-20% of normal peripheral blood mononuclear cells. It is expressed on a subset of natural killer cells (60%) and on a subset of T-lymphocytes. This carbohydrate is also present on N-CAM in the nervous system.

R-phycoerythrin has a maximum absorbance of 565.5nm and an emission maximum at 578nm. This fluorochrome has been covalently conjugated to Anti-CD56 and chromatographically purified to remove unconjugated antibody and dye, while achieving a fluorochrome/protein (F/P) molar ratio between 0.7 - 1.3.

### Appearance

Anti-Human CD57/HNK-1-R-phycoerythrin is affinity purified and supplied in 0.01M phosphate buffered saline (PBS) pH 7.2, containing 1.0% BSA and 0.1% sodium azide as a preservative.

### Working Dilution

Leinco Technologies recommends using one microgram to stain  $1.0 \times 10^6$  cells in flow cytometric applications. Depending on the particular application, some variance can be expected. Each investigator should determine their own working dilution for individual use.

### Storage and Stability

Short-term storage at 2-8°C. Do not freeze.

### Applications

Anti-CD57 may be used in flow cytometry, Western blotting and immunohistology on formalin fixed paraffin embedded tissue sections. The antibody is useful for enumeration of NK subsets and T-lymphocyte subsets, studies of neural tissue, malignant tissues and AIDS-related complex.

### Reference

1. Arimatsu, Y. *et al.* (1987) *J. Neuroscience* 7:1250
2. Barnstable, C. *et al.* (1995) *Brain Research* 559:118
3. Abo, T., and Balch, C.M. *et al.* (1981) *J. Immunol.* 127:1024



## Anti-Human CD57/HNK-1 (Natural Killer Cells) -Allophycocyanin Conjugate

**Prod. No.:** C325

**Lot No.:**

**Clone:** VC1.1

**Isotype:** Ms IgM

**Conc.:** 0.1 mg/ml

**Pkg. Size:** 0.2 mg 5th Workshop: Code No. NK67

### Description

**Specificity:** Anti-CD57 recognizes a (Mr 110 kD) carbohydrate molecule on myeloid cells. This surface antigen is associated with myelin-associated glycoprotein (MAG).<sup>1</sup> This antibody blocks binding of HNK-1 (Leu. 7) antibody.<sup>3</sup>  
**Antigen Distribution:** The CD57 antigen is present on 15-20% of normal peripheral blood mononuclear cells. It is expressed on a subset of natural killer cells (60%) and on a subset of T-lymphocytes. This carbohydrate is also present on N-CAM in the nervous system.

Allophycocyanin, a highly fluorescent pigment isolated from microalgae with an excitation maxima at 650nm. and an emission maxima at 660 nm. This pigment can be used in flow cytometer equipped with Dye laser, HeNe laser or Krypton-ion laser.

### Appearance

Anti-Human CD57/HNK-1-Allophycocyanin is affinity purified and supplied in 0.01M phosphate buffered saline (PBS) pH 7.2, containing 1.0% BSA and 0.1% sodium azide as a preservative.

### Working Dilution

Leinco Technologies recommends using one microgram to stain  $1.0 \times 10^6$  cells in flow cytometric applications. Depending on the particular application, some variance can be expected. Each investigator should determine their own working dilution for individual use.

### Storage and Stability

Short-term storage at 2-8° C. Do not freeze.

### Applications

Anti-CD57 may be used in flow cytometry, Western blotting and immunohistology on formalin fixed paraffin embedded tissue sections. The antibody is useful for enumeration of NK subsets and T-lymphocyte subsets, studies of neural tissue, malignant tissues and AIDS-related complex.

### Reference

1. Arimatsu, Y. *et al.* (1987) *J. Neuroscience* 7:1250

2. Barnstable, C. *et al.* (1995) *Brain Research* 559:118

3. Abo, T., and Balch, C.M. *et al.* (1981) *J. Immunol.* 127:1024

Phycobiliproteins are protected under the following patents: (U.S. patents No. 4,520,110 and 4,542,104, European patent no. 76695, Canadian patent No. 1,179,942 and Australian patent No. 548,440).



## **Anti-Human CD57/HNK-1 (Natural Killer Cells) -Purified Whole Molecule**

**Prod. No.:** C287  
**Lot No.:** 107L275  
**Clone:** VC1.1  
**Isotype:** Ms IgM  
**Conc.:** 0.1 mg/ml  
**Pkg. Size:** 0.1 mg 5th Workshop: Code No. NK67

### **Description**

**Specificity:** Anti-CD57 recognizes a (Mr 110 kD) carbohydrate molecule on myeloid cells. This surface antigen is associated with myelin-associated glycoprotein (MAG).<sup>1</sup> This antibody blocks binding of HNK-1 (Leu. 7) antibody.<sup>3</sup>  
**Antigen Distribution:** The CD57 antigen is present on 15-20% of normal peripheral blood mononuclear cells. It is expressed on a subset of natural killer cells (60%) and on a subset of T-lymphocytes. This carbohydrate is also present on N-CAM in the nervous system.

### **Appearance**

Anti-Human CD57/HNK-1 is affinity purified and supplied in 0.01M phosphate buffered saline (PBS) pH 7.2, containing 1.0% BSA and 0.1% sodium azide as a preservative.

### **Working Dilution**

Leinco Technologies recommends using one microgram to stain  $1.0 \times 10^6$  cells in flow cytometric applications. Depending on the particular application, some variance can be expected. Each investigator should determine their own working dilution for individual use.

### **Storage and Stability**

Short-term storage at 2-8° C. Long-term storage should be in aliquots below -20° C. Avoid repeated freezing and thawing.

### **Applications**

Anti-CD57 may be used in flow cytometry, Western blotting and immunohistology on formalin fixed paraffin embedded tissue sections. The antibody is useful for enumeration of NK subsets and T-lymphocyte subsets, studies of neural tissue, malignant tissues and AIDS-related complex.

### **Reference**

1. Arimatsu, Y. *et al.* (1987) *J. Neuroscience* 7:1250
2. Barnstable, C. *et al.* (1995) *Brain Research* 559:118
3. Abo, T., and Balch, C.M. *et al.* (1981) *J. Immunol.* 127:1024